

**DEPARTMENT OF THE ARMY
GALVESTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1229
GALVESTON, TEXAS 77553-1229**

**November 2007
HYDROGRAPHIC BULLETIN**

CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET

A report of the depths available for navigation in the Federal Project Waterways of the Galveston District

★ Indicates changes from previous report

● Indicates dredging under contract

⊕ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

<u>Waterway</u>	<u>Reach</u>
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

November 2007**PROJECT DIMENSIONS****PROJECT CONDITIONS**

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
GULF INTRACOASTAL WATERWAY MAIN CHANNEL							
Sabine River - High Island	06/07	125	53.1	12	9.8	11.3	9.8
High Island - Galveston Bay	● 09/07	125	30.0	12	9.8	12.8	10.8
Across Galveston Bay	10/07	125	7.2	12	11.6	12.4	10.8
Alternate Route via Galv. Ch.(REOPENED)	10/07	125	10.3	12	8.8	8.6	7.6
Galveston Bay - Chocolate Bayou	⊕ 11/07	125	19.0	12	★ 8.4	★ 10.5	★ 9.4
Chocolate Bayou - Freeport Harbor	★ 10/07	125	19.0	12	★ 9.2	11.0	9.4
Freeport Harbor - Brazos River	★ 10/07	125	5.9	12	★ 3.2	★ 4.9	★ 7.7
Brazos River Crossing	★ 11/07	125	0.7	12	★ 11.8	★ 11.9	★ 8.6
Brazos River - San Bernard River	★ 11/07	125	4.0	12	★ 10.2	★ 12.1	★ 10.7
San Bernard River - Colorado River	⊕ 11/07	125	35.6	12	9.6	11.4	9.4
Colorado River Crossing	★ 11/07	125	1.0	12	8.5	10.9	9.7
Colorado River - Matagorda Bay (Mile 461.6 WHL)	★ 10/07	125	20.1	12	★ 0.3	★ 6.2	★ 9.2
Mile 461.6 - Port O'Connor	05/07	125	11.1	12	5.0	5.5	9.3
Natural Bay Bottom	04/07	125	0.0	12	10.0	10.5	10.0
Port O'Connor - San Antonio Bay	06/07	125	19.0	12	8.0	10.4	8.6
Across San Antonio Bay	08/07	125-235	8.6	12	11.0	11.0	9.5
San Antonio Bay - Aransas Bay (Light 1)	08/07	125	10.4	12	6.0	9.3	10.6
Across Aransas Bay	07/07	125	13.8	12	9.0	10.0	9.8
Aransas Bay to Corpus Christi Ship Channel	06/07	125	14.4	12	8.8	11.6	9.0
Alternate Route via Lydia Ann Channel:							
Aransas Bay 49 to Light 83	10/07	125	7.9	12	10.0	11.0	11.4
Light 83 to Corpus Christi Ship Channel	10/07	125	3.8	12	9.5	9.0	8.0
Corpus Christi Ship Channel to S. Bird Island	★ 09/07	125	25.2	12	9.5	10.0	7.0
S. Bird Island to Light 175	06/07	125	22.5	12	6.3	8.3	9.5
Light 175 - Banderia Island	03/07	125	21.6	12	9.2	12.5	11.8
Banderia Island - Channel to Port Mansfield	05/07	125	23.2	12	9.5	10.0	6.0
Channel to Port Mansfield-Arroyo Colorado	05/07	125	14.5	12	9.0	10.8	9.3
Arroyo Colorado - Port Brownsville	04/07	125	37.6	12	8.8	10.2	7.7

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PROJECT DIMENSIONS

PROJECT CONDITIONS

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS							
ADAMS BAYOU CHANNEL							
Channel	★ 10/07	100	1.6	12	★ 4.4	★ 8.3	★ 6.8
DOUBLE BAYOU							
4.1 Miles in Bay to Mouth of Bayou	03/07	125	4.1	7	2.0	2.0	4.0
Mouth of Bayou to 2 Miles above Mouth	03/07	100	2.0	7	2.0	2.0	4.0
COW BAYOU CHANNEL							
Channel	★ 10/07	100	7.1	13	4.9	★ 7.1	★ 7.4
Orangefield Turning Basin	★ 10/07	300	0.1	13	★ 3.4	★ 4.5	★ 5.5
OFFATTS BAYOU CHANNEL							
Channel	05/07	125	2.2	12	5.8	6.7	4.9
CHOCOLATE BAYOU CHANNEL							
Bay Channel	07/07	125	5.6	12	12.2	13.4	11.9
Land Cut	07/07	125	2.9	12	12.6	13.1	12.5
SAN BERNARD RIVER CHANNEL							
Mile 0 to Mile 0.5	06/07	1032-100	0.5	9	5.0	7.9	4.0
Mile 0.5 to Mile 3.75	06/07	100	3.3	9	8.6	10.6	6.4
Mile 3.75 to Mile 8.0	4/94	100	4.3	9	n/a	9.0	n/a
Mile 8.0 to Mile 20.5	4/94	100	12.5	9	n/a	9.0	n/a
Mile 20.5 to Mile 25.2	4/94	100	4.7	9	n/a	9.5	n/a
Mile 25.2 to Mile 26.0	4/94	100	0.8	9	n/a	9.0	n/a
MOUTH OF THE COLORADO RIVER							
Mile 0 (Gulf) to Mile 0.8	02/06	200	0.8	15	1.6	1.1	0.8
Mile 0.8 to Mile 2.5	07/07	100	1.7	12	3.4	5.8	4.1
Mile 2.5 to Mile 7.11 (GIWW)	07/07	100	4.6	12	9.1	10.5	6.5

November 2007**PROJECT DIMENSIONS****PROJECT CONDITIONS**

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
COLORADO RIVER CHANNEL							
By-Pass Channel	07/07	100	0.9	9	13.3	10.7	1.0
Mile 0 (GIWW) to Mile 2	06/07	100	2.0	9	10.3	11.4	8.3
Mile 2 to Mile 8	06/07	100	6.0	9	2.7	4.8	5.4
Mile 8 to Mile 13.5	06/07	100	5.5	9	5.2	6.8	4.6
Mile 13.5 to Mile 15.5	06/07	100	2.0	9	0.5	3.9	3.2
Turning Basin	06/07	100	0.1	9	0.6	9.5	9.6
CHANNEL TO PALACIOS							
Mile 0 (GIWW) to Light 40	06/07	125	10.0	12	11.0	12.0	12.0
Light 40 to City Basin	08/07	125	6.2	12	14.0	15.0	14.0
City Basin	05/07	150	0.1	12	12.0	12.5	12.0
Entrance Channel to Mun. Basin	05/07	400-130	0.1	12	10.5	11.8	12.8
Municipal Basin	05/07	240	0.2	12	12.7	12.9	12.9
CHANNEL TO PORT LAVACA AND RED BLUFF							
Port Lavaca Channel	03/07	125	4.1	12	6.0	6.0	5.2
Lynn Bayou Turning Basin	08/06	30-300	0.1	12	9.8	9.2	9.1
Port Lavaca Harbor of Refuge:							
Approach Channel	04/07	125	2.1	12	6.3	7.0	7.0
North-South Basin	08/06	300	0.3	12	8.4	8.6	9.0
East-West Basin	08/06	250	0.3	12	12.0	13.0	12.0
Extension to Red Bluff via Lavaca and Navidad Rivers:							
Mile 0 to Mile 6.5	05/07	100	6.5	6	1.5	1.5	1.4
Mile 6.5 to F.M. Rd. 616	6/99	100	13.7	6	4.0	4.0	4.0

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
CHANNEL TO VICTORIA							
Mile 0 (GIWW) to Mile 11	10/07	125	11.0	12	11.0	11.0	11.0
Westerly connecting 'Y' channel	10/07	125	0.8	12	11.0	11.0	11.0
Mile 11 to Mile 14.0	★ 10/07	125	3.0	12	★ 10.6	★ 12.0	★ 11.0
Mile 14.0 to Mile 29	★ 10/07	125	15.0	12	★ 9.0	11.5	8.2
Mile 29 to Mile 34.7	08/06	125	5.7	12	9.1	14.5	11.4
Turning Basin	08/06	125-818	0.2	12	14.5	15.0	15.0
Connecting Channel to Seadrift	07/06	100	2.0	9	5.5	5.5	5.5
Seadrift Turning Basin	07/06	230	0.0	9	8.4	9.2	8.4
CHANNEL TO FULTON							
Channel	08/07	100	0.5	12	5.5	7.0	5.0
Turning Basin	08/07	200	0.2	12	7.0	8.0	7.0
CHANNEL TO ROCKPORT							
Channel	08/07	100	6.8	9	9.7	9.0	4.0
Harbor Basin	08/07	350	0.2	9	2.5	8.0	7.5
CHANNEL TO ARANSAS PASS							
Channel	06/07	125-175	6.1	14	11.0	11.0	11.0
Turning Basin	08/06	300	0.4	14	13.6	14.0	14.4
Connecting Channel	08/06	125	0.1	14	15.0	15.0	15.0
Conn Brown Harbor	08/06	50-510	0.4	14	14.0	14.0	14.7
CHANNEL TO PORT ARANSAS							
Channel	09/06	100	0.2	12	9.5	9.8	8.5
Turning Basin	09/06	200-400	0.2	12	9.5	9.5	7.7

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
CHANNEL TO PORT MANSFIELD							
Entrance Channel	06/06	250	0.7	16	6.0	7.0	7.0
Mile 0.7 to Mile 1.3	04/07	100-300	0.6	14	7.0	11.2	13.0
Mile 1.3 to Mile 3	04/07	100	1.7	14	10.6	11.0	11.0
Mile 3 to Mile 6	04/07	100	3.0	14	12.8	13.5	13.0
Mile 6 to Main Channel (GIWW)	04/07	100	2.9	14	4.4	4.4	4.5
Entrance Curves	04/07	200	0.6	12	5.5	5.6	5.3
Main Channel to Turning Basin	04/07	125-200	0.9	14	1.7	3.0	2.0
Turning Basin	04/07	200-400	0.7	14	9.0	9.0	7.6
Shrimp Basin	04/07	350	0.3	12	12.0	12.3	12.0
CHANNEL TO PORT HARLINGEN							
North Wye	04/07		x	12	10.0	9.0	8.0
South Wye	04/07		x	12	9.4	9.9	9.8
Mile 0 to Mile 8	04/07	200-125	8.0	12	9.5	11.4	10.5
Mile 8 to Mile 20	04/07	125	12.0	12	8.0	10.0	9.0
Mile 20 to Mile 25.9	04/07	125	5.9	12	8.6	10.0	9.7
Turning Basin	04/07	400	0.1	12	9.0	11.0	9.0
SIDE CHANNELS AT PORT ISABEL							
60-foot channel	08/07	60	0.2	12	12.5	12.5	11.2
125-foot channel	08/07	125	1.1	12	9.0	8.0	7.0
125-foot Channel - South Leg	08/07	125	1.1	12	8.5	11.0	9.5
PORT ISABEL SMALL BOAT HARBOR							
USABLE DIMENSIONS							
Entrance Channel	04/07	75	1.5	9	2.5	2.5	2.0
Harbor Channel	04/07	50	0.3	7	2.0	2.0	2.0
Basin	04/07	50-500	0.3	6	4.5	4.4	3.0

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left $\frac{1}{4}$ Channel (Feet)	Middle $\frac{1}{2}$ Channel (Feet)	Right $\frac{1}{4}$ Channel (Feet)
HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS							
CEDAR BAYOU							
Houston Ship Channel to U.S. Steel Dock	04/07	100	5.5	11	6.0	6.0	2.0
ATKINSON ISLAND							
Barge Mooring Basin	1/02	100-150	1.8	12	9.4	9.5	9.3
GREENS BAYOU CHANNEL							
First bend to Parker Brothers Slip	09/05	150-100	1.3	15	15.0	14.0	13.0
BRADY ISLAND CHANNEL							
Upstream from Cypress Str. Bridge	03/04	50	0.3	10	Left $\frac{1}{2}$ 13.0	12.0	Right $\frac{1}{2}$ 10.0
Downstream from Cypress Str. Bridge	03/04	50	0.5	10	7.0	8.0	8.0
CHANNEL IN BUFFALO BAYOU							
Houston Turning Basin to 69th Street Bridge	02/07	60	0.8	10	13.0	13.0	12.0
69th Street Bridge to Lockwood Drive Bridge	02/07	60	1.5	10	10.0	7.0	4.0
Lockwood Drive Bridge to Jensen St.Bridge	02/07	60	1.7	10	5.0	2.0	0.0
Turkey Bend Channel	02/07	60	0.8	10	4.0	3.0	0.0
Jensen Street Bridge to Southern Pacific Dock	3/94	60	0.6	9	10ft by 50ft		

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS					USABLE DIMENSIONS		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
DICKINSON BAYOU							
Light 2 to Light 27	03/07	60	9.9	6	6.0	5.0	5.0
Light 27 to Highway 146 Bridge	03/07	60	1.5	6	1.0	1.0	3.0
CHANNEL TO LIBERTY							
Houston Ship Channel to Smith Point	03/07	150	6.4	9	1.0	2.0	2.0
Anahauc	08/07	100	6.4	6.0	1.0	1.0	1.0
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	4.5	4.1
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	7/01	100	12.2	6	+0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	7/01	100	2.2	6	+0.1, +2.6, +1.5		
Cut Off Channel to Liberty	7/01	100	3.1	6	-3.2, +1.6, +2.6		
CLEAR CREEK AND CLEAR LAKE							
Entrance Channel	03/07	75	3.3	9	6.0	6.0	6.0
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	03/07	60	2.8	7	2.0	2.0	2.0
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	03/07	125	1.9	12	8.0	8.0	8.0
JEWEL FULTON CANAL							
Canal	04/07	100	0.9	16	15.0	16.0	16.0
Basin	09/06		0.1	16	14.0	13.5	14.0
RINCON CANAL							
Approach Channel	12/06	100-567	2.9	10	3.0	7.5	4.4
Connecting Channel	11/06	275	0.4	10	5.2	4.8	6.3
Canal "A"	02/07	100-125	0.9	10	9.1	9.6	7.3
Turning Basin	02/07	275	0.1	10	11.2	11.4	11.9

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼	Middle ½	Right ¼
					Channel (Feet)	Channel (Feet)	Channel (Feet)
Brownsville Fishing Boat Harbor							
Entrance Channel	06/06	100	0.2	15	17.0	16.8	12.5
Connecting Channel	06/06	265	0.2	15	14.4	14.5	14.0
West Connecting Channel	06/06	265	0.2	15	13.8	14.6	14.8
West Basin	06/06	305-370	0.3	15	14.4	14.1	12.5
Middle Basin	06/06	305-370	0.2	15	12.6	15.0	13.4
East Basin	06/06	305-370	0.1	15	13.0	13.5	13.5

NOTES:

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